

§ 30.44

except as provided in paragraph (b) of this section, be determined by weighing each package on an accurate weighing beam or platform scale having a beam or dial showing weight in pounds and half pounds, where packages having a capacity in excess of 10 wine gallons are to be gauged, or in pounds and ounces, or pounds and hundredths of a pound, where packages designed to hold 10 wine gallons or less are to be gauged. In either case the tare must be determined and subtracted from the gross weight to obtain the net weight. From the proof and weight ascertained, the quantity of the spirits in proof gallons shall be determined by reference to Table 2, 3, or 4. However, if the spirits contain solids in excess of 600 milligrams per 100 milliliters, the proof gallons shall be determined as prescribed for such spirits in § 30.41. Notwithstanding the provisions of this section or of § 30.44, (a) gross weights and tares of packages being filled need not be taken in any case where the gauge of the spirits is not derived from such weights under the gauging procedure being utilized, and (b) meters, other devices, or other methods may be used for determining the quantity of spirits in individual packages, when such meter is used as provided in 27 CFR Part 19, or, when such other device or method has been approved by the appropriate ATF officer.

(Sec. 201, Pub. L. 85-859, 72 Stat. 1358, as amended, 1362, as amended (26 U.S.C. 5204, 5211))

[T.D. ATF-198, 50 FR 8535, Mar. 1, 1985, as amended by T.D. ATF-381, 61 FR 37004, July 16, 1996]

§ 30.44 Weighing containers.

(a) *Weighing containers of more than 10 wine gallons.* The weight of containers having a capacity in excess of 10 wine gallons shall be determined and recorded in pounds and half pounds.

(b) *Weighing containers of 10 wine gallons or less.* The weight for containers of a capacity of 10 wine gallons or less shall be determined in pounds and ounces, or pounds and hundredths of a pound, and shall be recorded in pounds and hundredths of a pound. The equivalent pounds and hundredths of pounds and the corresponding wine gallons and proof gallons shall be expressed as

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shown in the following table for the respective weights in pounds and ounces and proofs shown therein or, as applicable, computed in accordance with rules in this section.

WEIGHT OF CONTENTS

Size of container, wine gallons	Pounds	Ozs.	Weight in pounds and hundredths of a pound	Contents in wine gallons	Proof gallons
190 proof spirits:					
1	6	13	6.81	1	1.9
2	13	10	13.63	2	3.8
5	34	00	34.00	5	9.5
10	68	00	68.00	10	19.0
192 proof spirits:					
1	6	13	6.81	1	1.9
2	13	9	13.56	2	3.8
5	33	13	33.81	5	9.6
10	67	10	67.63	10	19.2
200 proof spirits:					
1	6	10	6.63	1	2.0
2	13	4	13.25	2	4.0
5	33	1	33.06	5	10.0
10	66	2	66.12	10	20.0

(c) *Containers of other proofs or sizes.* Where containers of proofs or sizes not shown above are to be filled, the following rule may be used for ascertaining the weight of the spirits to be placed in the container: Divide the number of gallons representing the quantity of spirits to be placed in the container by the fractional part of a gallon equivalent to 1 pound, to obtain the weight of the spirits in pounds and fractions of a pound to two decimal places. Reduce the decimal fraction of a pound to ounces by multiplying by 16, calling any fraction of an ounce a whole ounce. The pounds and ounces thus obtained will determine the point to which the spirits must be weighed to produce the results desired. If the weight must be marked on the container in pounds and decimal fractions of a pound, it will be necessary to convert the ounces to hundredths of a pound. The fraction of a gallon equivalent to 1 pound at any given proof shall be ascertained by reference to Table 4. However, if the spirits contain solids in excess of 600 milligrams per 100 milliliters, the fraction of a gallon equivalent to 1 pound shall be determined as prescribed for such spirits in § 30.41.

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Example. It is desired to fill a 1-gallon can with precisely 1 wine gallon of 194 proof spirits:

1.00 divided by 0.14866=6.73 pounds.

0.73 multiplied by 16=11.68 ounces, rounded to 12 ounces.

Weight of spirits—6 pounds, 12 ounces.

Weight, if required, to be marked on can—6.75 pounds.

(Sec. 201, Pub. L. 85-859, 72 Stat. 1358, as amended, 1362, as amended (26 U.S.C. 5204, 5211))

§ 30.45 Withdrawal gauge for packages.

When wooden packages are to be individually gauged for withdrawal, actual tare of the packages shall be determined. The actual tare of a package shall be determined by weighing it after its contents (including rinse water, if any) have been temporarily removed to a separate container or vessel. Where the contents of packages have been temporarily removed for determination of tare, the proof, if any rinse water is added to the spirits, shall be determined after a thorough mixing of the rinse water and the spirits and before return of the spirits to the rinsed packages, and the gross weight shall be determined after the spirits and any added rinse water have been returned to the packages. In the case of metal packages the tare established at the time of filling may be used unless it appears to be incorrect. From the proofs and the net weights of the packages, the wine gallons (if desired) and the proof gallons of spirits shall be determined by the use of Table 2. However, if the spirits contain solids in excess of 600 milligrams per 100 milliliters, the wine gallon and proof gallon contents shall be determined as prescribed for such spirits in § 30.41. If either the weight or the proof is beyond the limitations of table 2, either table 3 or table 4 may be used.

(Sec. 201, Pub. L. 85-859, 72 Stat. 1358, as amended (26 U.S.C. 5204))

DETERMINATION OF QUANTITY BY VOLUME

§ 30.51 Procedures for measurement of bulk spirits.

Where the quantity of spirits (including denatured spirits) in bulk is to be determined by volume as authorized by

this chapter, the measurement shall be made in tanks, by meters as provided in 27 CFR part 19, or by other devices or methods authorized by the appropriate ATF official, or as otherwise provided in this chapter, or such measurement may be made in tank cars or tank trucks if calibration charts for such conveyances are provided and such charts have been accurately prepared, and certified as accurate, by engineers or other persons qualified to calibrate such conveyances. Volumetric measurements in tanks shall be made only in accurately calibrated tanks equipped with suitable measuring devices, whereby the actual contents can be correctly ascertained. If the temperature of spirits (including denatured spirits) is other than the standard of 60 degrees Fahrenheit, gallonage determined by volumetric measurements shall be corrected to the standard temperature by means of table 7. In the case of denatured spirits, the temperature-correction factor for the proof of the spirits used in denaturation will give sufficiently accurate results, except that the temperature-correction factor used for specially denatured spirits, Formula No. 18, should be that given in table 7 for 100 proof spirits. When the quantity of spirits, in wine gallons, has been determined by volumetric measurement, the number of proof gallons shall be obtained by multiplying the wine gallons by the proof of the spirits as determined under § 30.31.

Example Gauge glass reading inches—88.
Wine gallons per inch—48.96.
Temperature °F—72.
Proof of spirits—86.8.
Temperature correction factor (Table 7)—0.995.
 $48.96 \text{ W.G.} \times 88 = 4308.48$ wine gallons.
 $4308.48 \text{ W.G.} \times 0.995 = 4286.94$ wine gallons.
 $4286.94 \text{ W.G.} \times 0.868 = 3721.06392 = 3721.1$ proof gallons.

(Sec. 201, Pub. L. 85-859, 72 Stat. 1358, as amended (26 U.S.C. 5204))

[T.D. ATF-198, 50 FR 8535, Mar. 1, 1985, as amended by T.D. ATF-381, 61 FR 37004, July 16, 1996]

§ 30.52 Procedure for measurement of cased spirits.

Where the quantity of spirits in a case is to be determined by volume, such determination shall be made by